OneHome™ **Management and Control Solutions**	Camera Integration Note
Manufacturer:	Panasonic
Model Number(s):	**BB-HCM311A, BB-HCM331A, KX-HCM110A**
OneHome Versions:	3.0 (all builds), 4.0 (all builds)
Comments:	Network Camera (EasyConfig.exe version 1.0.21)
Document Revision Date:	9/6/2006

OVERVIEW AND SUPPORTED FEATURES

Installing the Panasonic camera can be broken down into the following steps:

1. Install cameras at desired locations, and pull power and Cat5 cabling as needed. Refer to the Panasonic documentation for mounting details.
2. Connect the cameras electrically to the home network and configure the cameras. See **Camera Configuration**.
3. Integrate the cameras into the **One**Home system and test proper operation. This step is outlined in **HomeLogic Configuration Details**.

THESE CAMERAS SUPPORT THE FOLLOWING FEATURES:

Pan / **Tilt:** The camera can be turned to see various locations.

Built-in Audio: There is a built-in microphone as well as a jack for an external microphone. Audio from the Panasonic cameras is supported in version 4.0 and later.

Presets: Some of these camera models also support presets, allowing the user to store predefined locations such as a driveway or pool. This feature requires **One**Home software version 4.0 or later.

CAMERA CONFIGURATION

The camera configuration is done with software provided by Panasonic, which must be run from a computer with Windows also connected to the same network as the camera.

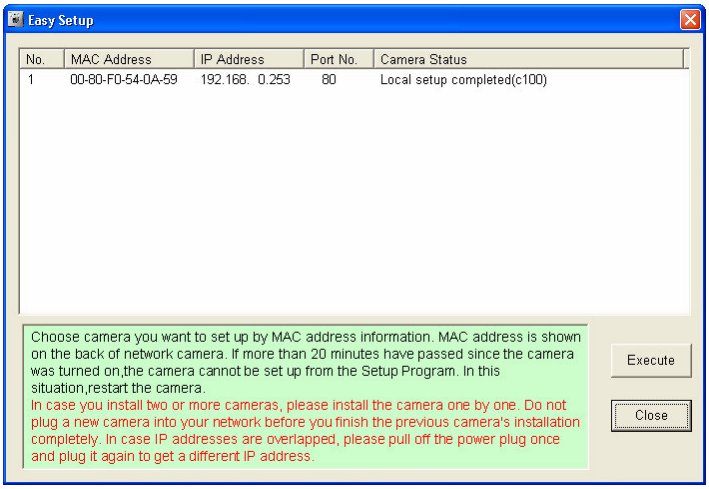
The software program from Panasonic is **EasyConfig.exe**: the version we checked is shown at the top.

IMPORTANT NOTES

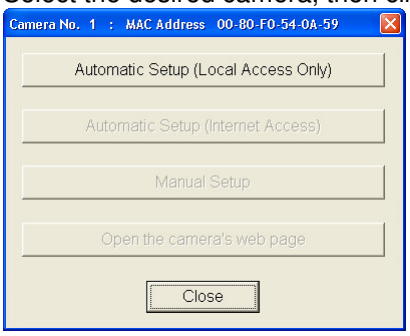
1. **Cameras must be configured one at a time**: If you are installing more than one camera, setup the first one completely before powering up subsequent cameras.
2. **Setup the camera within 20 minutes:** Initial settings must be made within 20 minutes of the camera being turned on. If the camera has been powered up for more than 20 minutes, cycle power to the camera before proceeding.
3. **DON'T LOSE THE CAMERA PASSWORD:** During setup you will create a user name and password, which are required to make any other changes in the future. If you lose the user name or password you will have to factory reset the camera and repeat this entire procedure.
4. **DEFAULT USER NAME** / **PASSWORD:** For Panasonic cameras, our default user name is **Administrator** and our default password is **password**.

STARTING THE PANASONIC CAMERA SOFTWARE

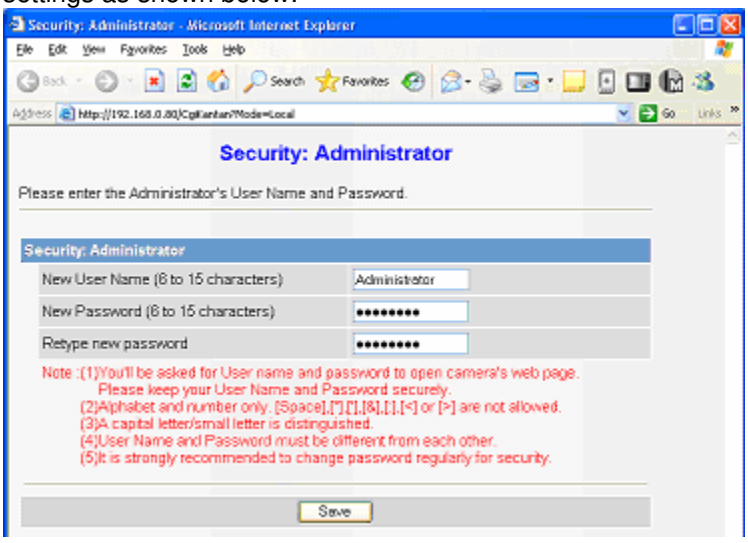
1. Insert the CD from the camera into your PC: once it starts up, click **Camera Setup**. Or, if you have copied the files from the CD to your computer, locate and start **EasyConfig.exe**.
2. Wait a moment to allow the software to find the camera: the following screen appears.


Easy Setup
No.
MAC Address
IP Address
Port No.
Camera Status
1
00-80-F0-54-0A-59
192.168. 0.253
80
Local setup completed(c100)
Choose camera you want to set up by MAC address information. MAC address is shown on the back of network camera. If more than 20 minutes have passed since the camera was turned on,the camera cannot be set up from the Setup Program. In this situation,restart the camera.
In case you install two or more cameras, please install the camera one by one. Do not plug a new camera into your network before you finish the previous camera's installation completely. In case IP addresses are overlapped, please pull off the power plug once and plug it again to get a different IP address.
Execute
Close

3. Select the desired camera, then click **Execute** to bring up the camera dialog shown below:

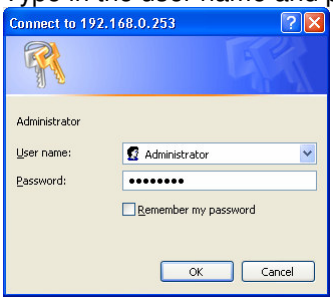

Camera No. 1 : MAC Address 00-80-F0-54-0A-59
Automatic Setup (Local Access Only)
Automatic Setup (Internet Access)
Manual Setup
Open the camera's web page
Close

4. Click **Automatic Setup**: after a short delay you will see a new browser window with the password settings as shown below:


Security: Administrator - Microsoft Internet Explorer
Security: Administrator
Please enter the Administrator's User Name and Password.
Security: Administrator
New User Name (6 to 15 characters)
Administrator
New Password (6 to 15 characters)
Retype new password
Note :(1)You'll be asked for User name and password to open camera's web page.
Please keep your User Name and Password securely.
(2)Alphabet and number only. [Space],["],[],[&],[:],[<] or [>] are not allowed.
(3)A capital letter/small letter is distinguished.
(4)User Name and Password must be different from each other.
(5)It is strongly recommended to change password regularly for security.
Save

5. Type in your desired user name and password: these values are not needed by the **One**Home system, but must be recorded and saved to make settings to the camera. By default we set the user name to **Administrator** and the password to **password**.

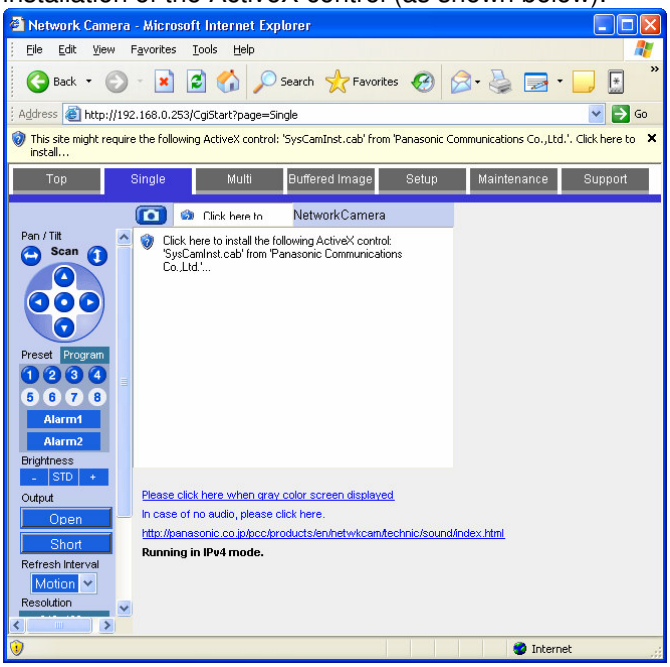
6. You will be prompted to enter your user name and password again, as shown in the image below. Type in the user name and password you just set, and click **OK**.



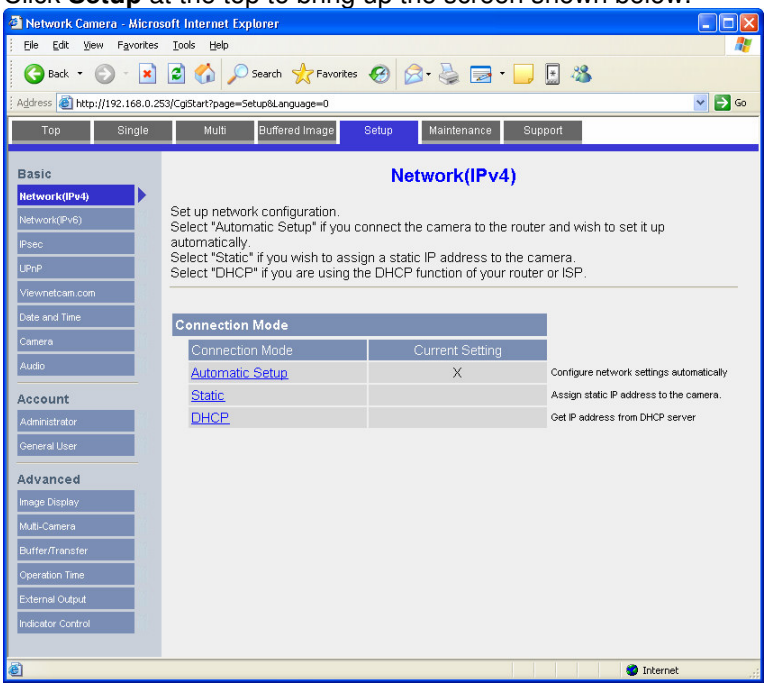
7. After a short delay, you should see a new browser window, similar to that shown under Camera Settings below.
8. If the **Automatic Setup** dialog is still present, click its **Cancel** button. If the **Easy Setup** window is still open on your desktop, close that window now as well.

CAMERA SETTINGS

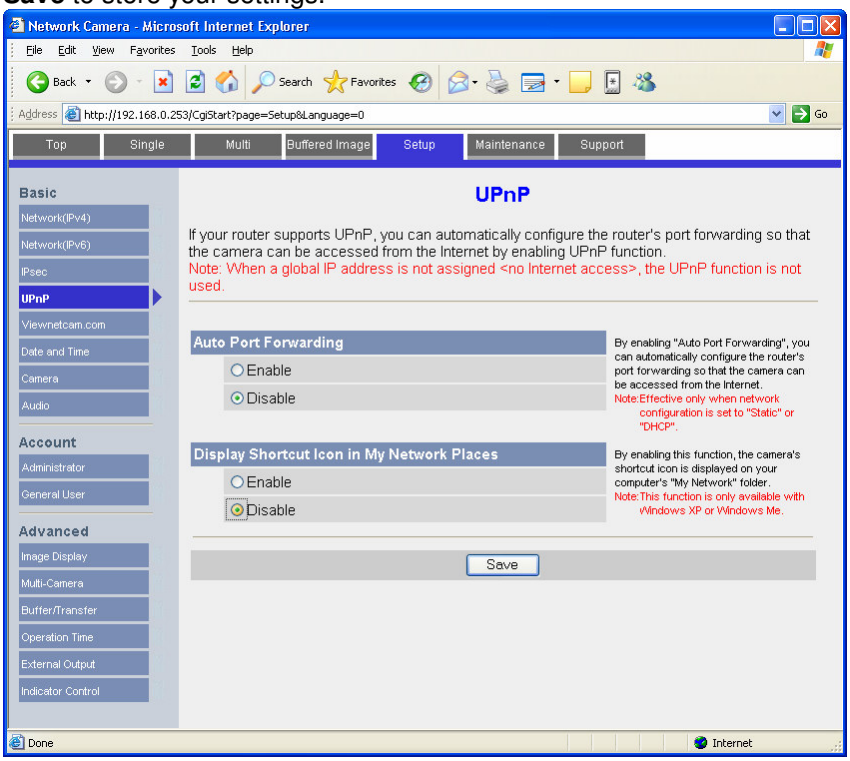
1. After typing in your user name and password, you will be shown the standard browser interface to the camera.
2. The system will attempt to install an ActiveX control to show the camera image in the browser window. This control is not needed for proper **One**Home operation, but is needed if you wish to see the camera image on that computer. If any dialogs appear, close them or accept the ActiveX control as appropriate for your situation.
3. On Windows computers with popup blocking enabled, you will need to click the bar to enable the installation of the ActiveX control (as shown below).



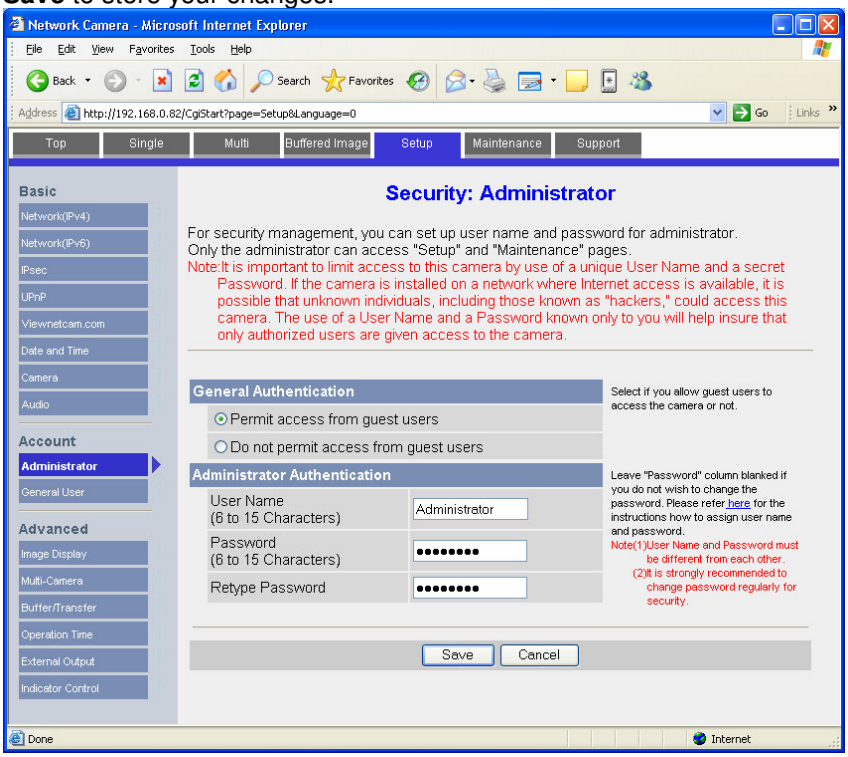
4. Click **Setup** at the top to bring up the screen shown below:



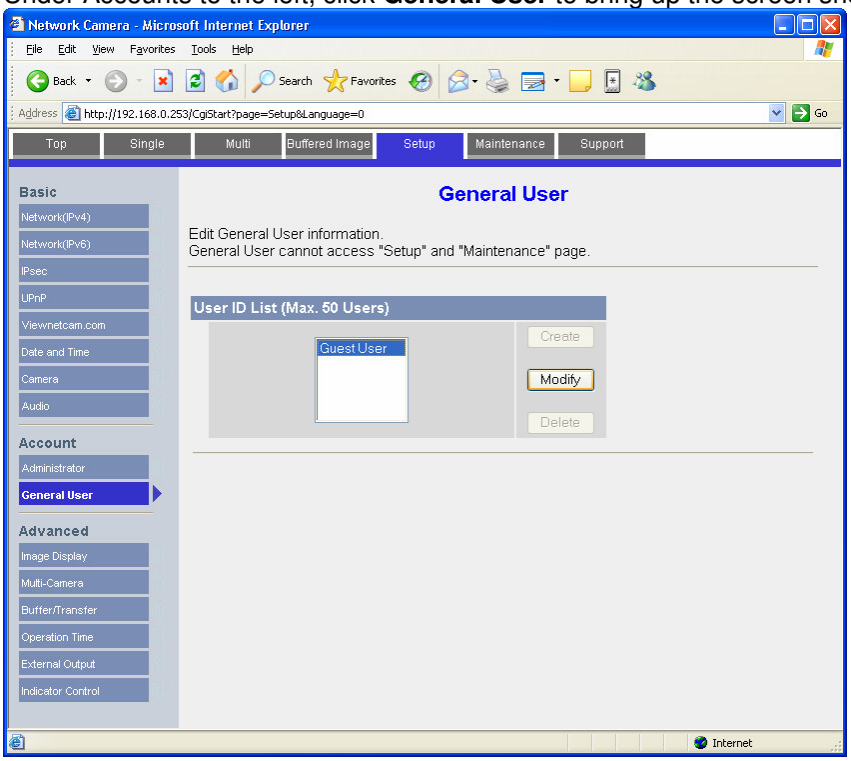
5. Click **UPnP** on the left, then click **Disable** in the both parts of the screen, as shown below. Click **Save** to store your settings.


Network Camera - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://192.168.0.253/CgiStart?page=Setup&Language=0
Go
Top Single Multi Buffered Image Setup Maintenance Support
Basic
Network(IPv4)
Network(IPv6)
IPsec
UPnP
Viewnetcam.com
Date and Time
Camera
Audio
Account
Administrator
General User
Advanced
Image Display
Multi-Camera
Buffer/Transfer
Operation Time
External Output
Indicator Control
UPnP
If your router supports UPnP, you can automatically configure the router's port forwarding so that the camera can be accessed from the Internet by enabling UPnP function.
Note: When a global IP address is not assigned <no Internet access>, the UPnP function is not used.
Auto Port Forwarding
Enable
Disable
By enabling "Auto Port Forwarding", you can automatically configure the router's port forwarding so that the camera can be accessed from the Internet.
Note:Effective only when network configuration is set to "Static" or "DHCP".
Display Shortcut Icon in My Network Places
Enable
Disable
By enabling this function, the camera's shortcut icon is displayed on your computer's "My Network" folder.
Note:This function is only available with Windows XP or Windows Me.
Save
Done
Internet

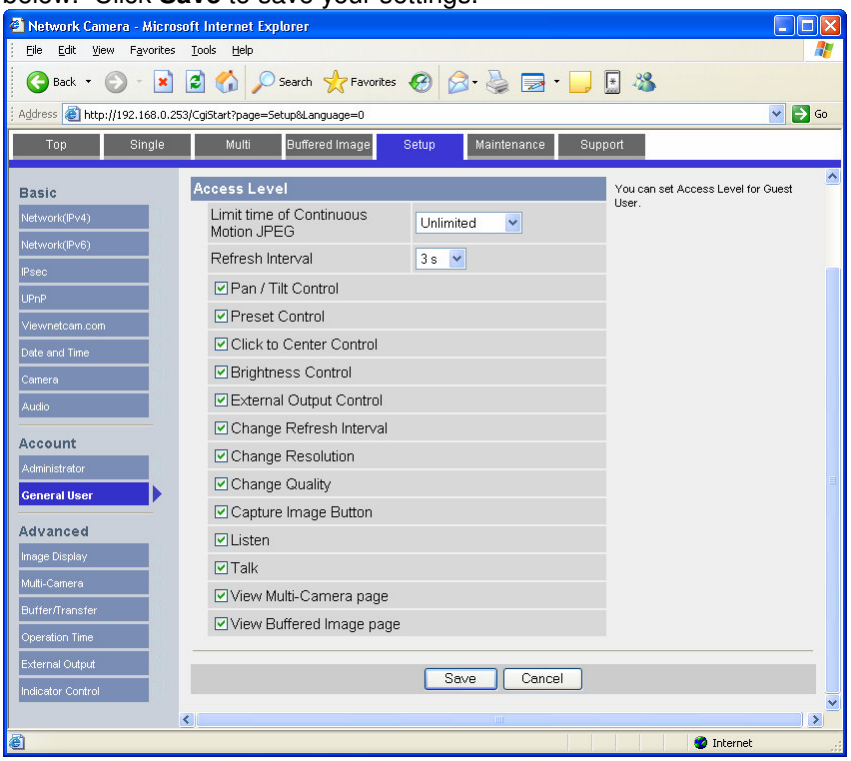
6. Under Accounts to the left, click **Administrator** to bring up the screen below. Click **Permit access from guest users**, as shown below. Re-enter your password in the boxes, then click **Save** to store your changes.


Network Camera - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://192.168.0.82/CgiStart?page=Setup&Language=0
Go
Links
Top Single Multi Buffered Image Setup Maintenance Support
Basic
Network(IPv4)
Network(IPv6)
IPsec
UPnP
Viewnetcam.com
Date and Time
Camera
Audio
Account
Administrator
General User
Advanced
Image Display
Multi-Camera
Buffer/Transfer
Operation Time
External Output
Indicator Control
Security: Administrator
For security management, you can set up user name and password for administrator.
Only the administrator can access "Setup" and "Maintenance" pages.
Note:It is important to limit access to this camera by use of a unique User Name and a secret Password. If the camera is installed on a network where Internet access is available, it is possible that unknown individuals, including those known as "hackers," could access this camera. The use of a User Name and a Password known only to you will help insure that only authorized users are given access to the camera.
General Authentication
Permit access from guest users
Do not permit access from guest users
Select if you allow guest users to access the camera or not.
Administrator Authentication
User Name (6 to 15 Characters)
Administrator
Password (6 to 15 Characters)
Retype Password
Leave "Password" column blanked if you do not wish to change the password. Please refer here for the instructions how to assign user name and password.
Note(1)User Name and Password must be different from each other.
(2)It is strongly recommended to change password regularly for security.
Save
Cancel
Done
Internet

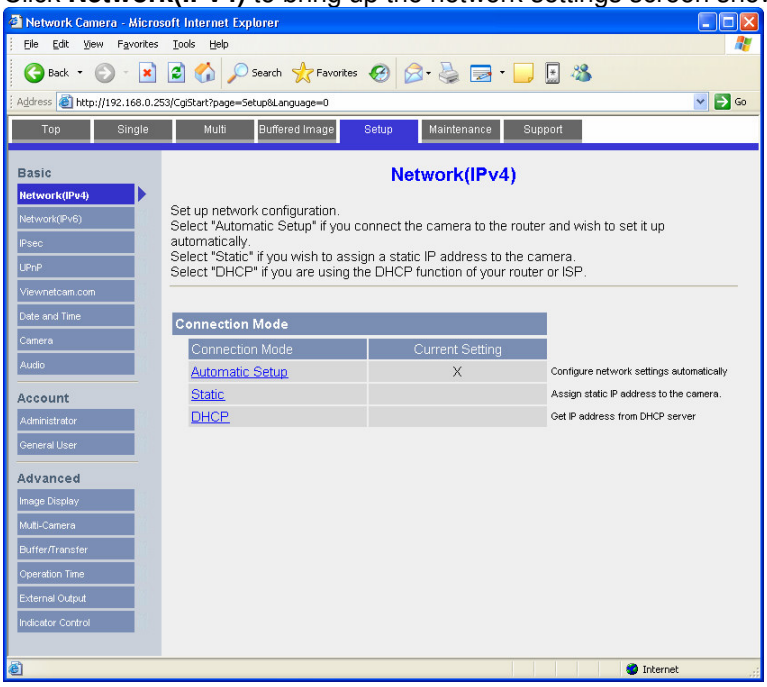
7. Under Accounts to the left, click **General User** to bring up the screen shown below.



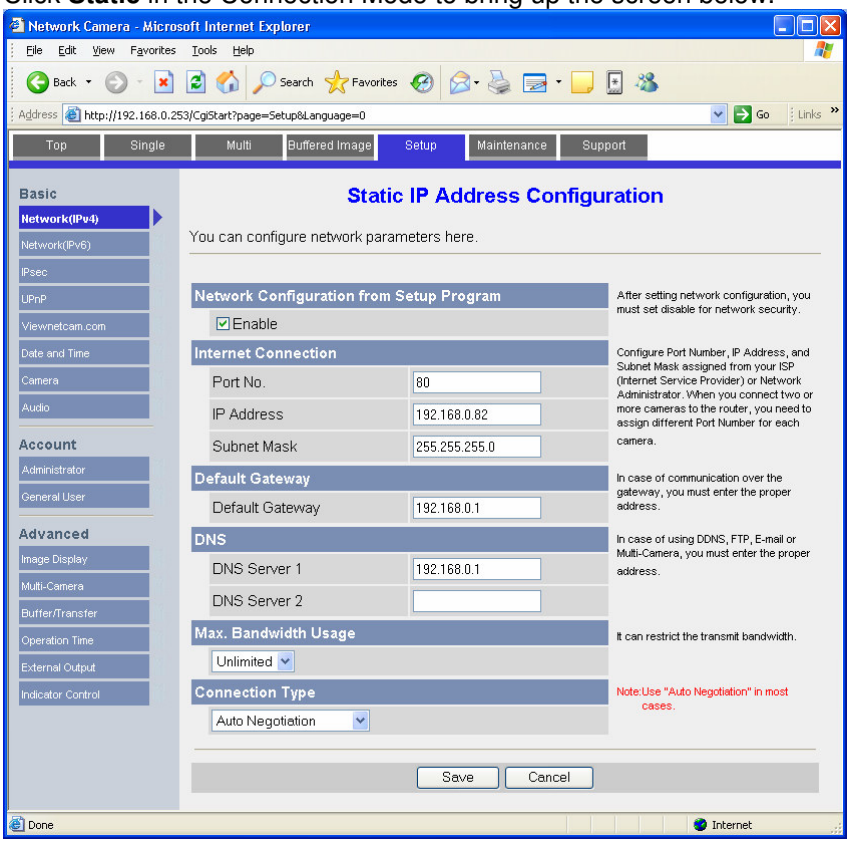
8. Click **Guest** in the list, then click **Modify**. This brings up the Access Level options. Select **Unlimited** in the drop down, as shown below, and then check (turn on) all the options, as shown below. Click **Save** to save your settings.



9. Click **Network(IPv4)** to bring up the network settings screen shown below.

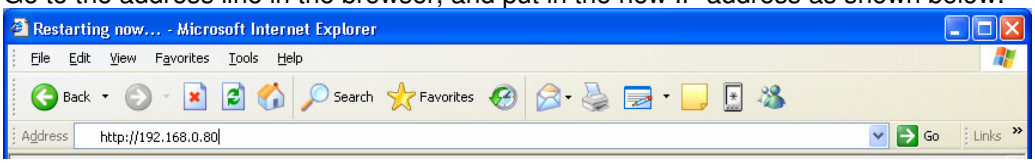


10. Click **Static** in the Connection Mode to bring up the screen below.

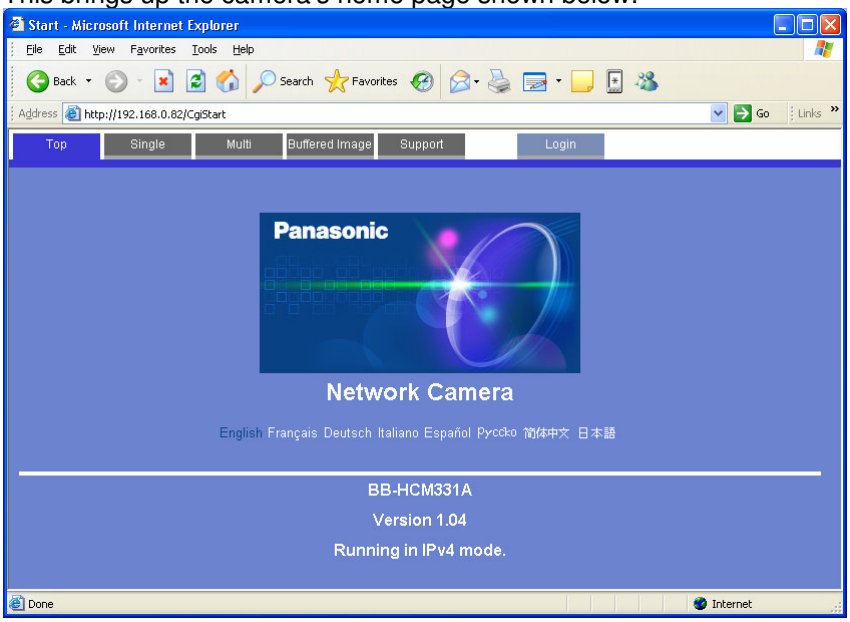


11. Set the IP address to the desired value: we suggest setting the first camera to 192.168.0.80, the second to 192.168.0.81, and so forth. Check that the other settings match the screen below, then click **Save** to save the settings.

12. If prompted, click to **Restart** to restart the camera. Note that the camera is now at a different IP address, so the browser window won't show the camera.
13. Go to the address line in the browser, and put in the new IP address as shown below:



14. This brings up the camera's home page shown below:



15. The camera is now at the correct IP address with the correct settings.
16. Close the browser.

HOMELOGIC CONFIGURATION DETAILS

The following table provides settings used in the HomeLogic Configurator. Please refer to the Configurator Reference Guide for more details.

In the table below:

- "<User Defined>", etc. Type in the desired name for the item.

ONEHOME SOFTWARE VERSION 3.0

Devices	Variable Name	Setting	Comments
Communication Device	**N/A (See Note 1)**	N/A (See Note 1)	
Video Cameras	**Name**	<User Defined> (Default: **Panasonic KX/BL/BB Series**)	
	Device Type	**Panasonic KX/BL/BB Series**	
	Location	<User Defined> (Not Required)	
	IP Address	<User Defined> (Default: **192.168.0.80**) (See Note 2)	

Notes:

1. No **Communication Device** is needed: just add **Video Cameras**.
2. By default, set the first camera to 192.168.0.80, the second to 192.168.0.81, and so on.

ONEHOME SOFTWARE VERSION 4.0

Devices	Variable Name	Setting	Comments
Communication Device	**N/A (See Note 1)**	N/A (See Note 1)	
Video Cameras	**Name**	<User Defined> (Default: **Panasonic BB-HCM311A,331A**)	
	Device Type	**Panasonic BB-HCM311A,331A**	
	Location	<User Defined> (Not Required)	
	IP Address	<User Defined> (Default: **192.168.0.80**) (See Note 2)	

Notes:

1. No **Communication Device** is needed: just add **Video Cameras**.
2. By default, set the first camera to 192.168.0.80, the second to 192.168.0.81, and so on.